

Goodyear Airdock
1210 Massillon Road
Akron
Summit County
Ohio

HAER No. OH-57

HAER
OHIO,
77-AKRO,
6-

P H O T O G R A P H S

DESCRIPTIVE AND HISTORICAL DATA

Historic American Engineering Record
National Park Service
P.O. Box 37127
Washington, D.C. 20013-7127

RECEIVED
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ADDENDUM TO
GOODYEAR AIRDOCK
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XEROGRAPHIC COPIES OF COLOR TRANSPARENCIES

HISTORIC AMERICAN ENGINEERING RECORD
National Park Service
U.S. Department of the Interior
Washington, D.C. 20013

United States Department of the Interior
National Park Service
Washington, D.C. 20240

HISTORIC AMERICAN ENGINEERING RECORD
SITE DATA FORM

HAER
OHIO
77-AKRO
6-

STATE	COUNTY	TOWN OR VICINITY
Ohio	Summit	Akron

HISTORIC NAME	HAER NO.
Goodyear Airdock	OH-57

SECONDARY OR COMMON NAMES

COMPLETE ADDRESS (DESCRIBE LOCATION FOR RURAL AREAS)

1210 Massillon Rd.

DATE OF CONSTRUCTION	ENGINEER, BUILDER, OR FABRICATOR
1929	Dr. Karl Arnstein & Wilbur Watson Engineering Company, Cleveland

SIGNIFICANCE (TECHNOLOGICAL AND HISTORICAL, INCLUDE ORIGINAL USE)

"A floor area of 364,000 square feet makes it one of the largest buildings without interior supports in the world. Perhaps the most unusual feature of the dock is its spherical doors." (Cleveland to Akron: A Guide to the Sites, Carol Poh Miller, Author)

STYLE (IF APPROPRIATE)

MATERIAL OF CONSTRUCTION (INCLUDE STRUCTURAL SYSTEMS)

Sheet metals attached to 11 parabolic arches spaced at 80" intervals connected by vertical and horizontal trusses.

SHAPE AND DIMENSIONS (SKETCHED FLOOR PLANS ON SEPARATE PAGES ARE ACCEPTABLE)

1,175' long, 325' wide, 211' high semi-paraboloid shape which would offer least resistance to air currents.

EXTERIOR FEATURES OF NOTE "At each end of the structure are spherical doors. The doors are two-piece and are shaped somewhat like $\frac{1}{4}$ of an orange peel. Each door weighs 600 tons. They are fastened at the top by hollow forged pins 17" in diameter and 6' in length. The doors rest on 40 wheels set on curved RR tracks." (HAER inventory)

INTERIOR FEATURES OF NOTE (DESCRIBE MECHANICAL SYSTEMS, MACHINERY OR EQUIPMENT)

Overhead electric cranes and catwalks running the full length of structure. "A specially designed inclined railway of two counter-balanced cars on a curved track." (Carol Poh Miller)

MAJOR ALTERATIONS AND ADDITIONS WITH DATES

PRESENT CONDITION AND USE

Storage

OTHER INFORMATION AS APPROPRIATE

SEE FIELD RECORDS FOR REPRODUCTIONS OF CONSTRUCTION DRAWINGS

SOURCES OF INFORMATION (INCLUDING LISTING ON NATIONAL REGISTER, PROFESSIONAL ENGINEERING SOCIETY LANDMARK DESIGNATIONS, ETC.)

Iron Age 124 (Oct. 3, 1929): 885-86

Civil Engineering 1 (November 1930): 71-76

COMPILER, AFFILIATION	DATE
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Bill Lebovich, HAER

5/15/87